AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A printing apparatus comprising:

a carry roller for carrying a print sheet;

wherein

said carry roller has virtual circumference segments that are obtained by virtually dividing a circumference of the carry roller into a plurality of segments in a direction in which the carry roller is rotated, and

said printing apparatus ~~is capable of~~

~~printing~~prints a plurality of patterns for each of said virtual circumference segments, each of said patterns corresponding to a different correction amount, and

for each virtual circumference segment, sets ~~setting~~ a correction amount corresponding to one of the patterns ~~to each said virtual circumference segment~~.

2. (currently amended): A printing apparatus according to claim 1, wherein

said printing apparatus ~~is capable of forming~~forms at least one of the ~~pattern~~ patterns for determining a correction amount for a predetermined virtual circumference segment by printing a predetermined structural pattern before and after the print sheet is carried by that virtual circumference segment of said carry roller.

3. (original): A printing apparatus according to claim 1, wherein

the patterns, which correspond to the correction amounts for each of the virtual circumference segments, are arranged in a row in a carry direction of the print sheet for each of the virtual circumference segments, and

the pattern rows, which are arranged in rows, are printed on a single print sheet in a direction that is perpendicular to said carry direction.

4. (currently amended): A printing apparatus according to claim 2, wherein

the plurality of patterns for each of said virtual circumference segments ~~corresponding to one correction amount~~ are formed starting from a front end side of the print sheet in order of ~~formation of~~ the ~~patterns~~correction amounts.

5. (original): A printing apparatus according to claim 1, wherein said printing apparatus is capable of

forming a pattern group by forming patterns for each of said virtual circumference segments corresponding to one correction amount, and

changing said correction amount each time said carry roller makes a full turn and forming said pattern group made of patterns corresponding to the correction amount that has been changed.

6. (original): A printing apparatus according to claim 5, further comprising

a print head for printing while performing scanning in a direction that is perpendicular to a carry direction of said print sheet;

wherein

as for two adjacent patterns that make up one of said pattern groups, a structural pattern printed before carrying in one pattern and a structural pattern printed after carrying in another pattern are printed during the same scan of the print head.

7. (original): A printing apparatus according to claim 6, wherein

said print head has a plurality of nozzles that are arranged in the carry direction of said print sheet and that are capable of ejecting ink,

said patterns are formed using some of said nozzles, and

nozzles forming the structural pattern printed after said carrying by a particular virtual circumference segment are located more toward the front end of the print sheet than nozzles forming the structural pattern printed before said carrying.

8. (original): A printing apparatus according to claim 1, wherein

a length of each said pattern in said carry direction is shorter than a product of an amount the print sheet is carried and a number into which said carry roller is virtually divided.

9. (currently amended): A printing apparatus according to claim 2, wherein

said structural pattern is made of a plurality of lines spaced at an equal spacing in a carry direction of the print sheet, or dot rows arranged in a direction that is perpendicular to said carry direction, and

a correction amount is set corresponding to ~~the~~ at least one of the patterns ~~pattern~~ in which said lines or said dot rows of the structural pattern that is printed after carrying said

print sheet are formed at a position that evenly divides a space between said lines or said dot rows of the structural pattern that is printed before carrying said print sheet ~~is set~~.

10. (currently amended): A printing apparatus according to claim 2, wherein

said structural pattern is made of a plurality of lines spaced at an equal spacing in a carry direction of the print sheet, or dot rows arranged in a direction that is perpendicular to said carry direction, and

a correction amount is set corresponding to the at least one of the patterns ~~pattern~~ in which said lines or said dot rows of the structural pattern, that is printed after carrying said print sheet, ~~are formed at a position that overlaps~~ overlap said lines or said dot rows of the structural pattern that is printed before carrying said print sheet ~~is set~~.

11. (currently amended): A printing apparatus comprising:

a carry roller for carrying a print sheet;

wherein

said carry roller has virtual circumference segments that are obtained by virtually dividing a circumference of the carry roller into a plurality of segments in a direction in which the carry roller is rotated,

said printing apparatus ~~is capable of~~

~~printing~~prints a plurality of patterns for each of said virtual circumference segments, each of said patterns corresponding to a different correction amount,

~~setting~~for each virtual segment, sets a correction amount corresponding to one of the patterns ~~to each said virtual circumference segment~~,

~~printing~~prints a predetermined structural pattern before and after the print sheet is carried by a predetermined virtual circumference segment of said carry roller, and

~~forming~~forms a pattern for determining a correction amount for that virtual circumference segment,

the patterns, which correspond to the correction amounts for each of the virtual circumference segments, are arranged in a row in a carry direction of the print sheet for each of the virtual circumference segments,

the pattern rows, which are arranged in rows, are printed on a single print sheet arranged in a direction that is perpendicular to said carry direction,

the plurality of patterns for each of said virtual circumference segments corresponding to one correction amount are formed starting from a front end side of the print sheet in order of formation of the patterns,

said printing apparatus ~~is capable of~~

~~forming~~forms a pattern group by forming patterns for each of said virtual circumference segments corresponding to one correction amount, and

~~changing~~changes said correction amount each time said carry roller makes a full turn and forming said pattern group made of patterns corresponding to the correction amount that has been changed,

said printing apparatus further comprises a print head for printing while performing scanning in a direction that is perpendicular to a carry direction of said print sheet,

as for two adjacent patterns that make up one of said pattern groups, a structural pattern printed before carrying in one pattern and a structural pattern printed after carrying in another pattern are printed during the same scan of the print head,

said print head has a plurality of nozzles that are arranged in the carry direction of said print sheet and that are capable of ejecting ink,

said patterns are formed using some of said nozzles,

nozzles forming the structural pattern printed after said carrying by a particular virtual circumference segment are located more toward the front end of the print sheet than nozzles forming the structural pattern printed before said carrying,

a length of each said pattern in said carry direction is shorter than a product of an amount the print sheet is carried and a number into which said carry roller is virtually divided,

said structural pattern is made of a plurality of lines spaced at an equal spacing in a carry direction of the print sheet, or dot rows arranged in a direction that is perpendicular to said carry direction, and

a correction amount is set corresponding to ~~the pattern~~ at least one of the patterns in which said lines or said dot rows of the structural pattern, that is printed after carrying said print sheet, are formed at a position that evenly divides a space between said lines or said dot rows of the structural pattern that is printed before carrying said print sheet ~~is set~~.

12. (currently amended): A printing medium having a ~~A~~ carry amount correction pattern comprising:

a plurality of ~~pattern~~patterns formed on said printing medium, each of said ~~pattern~~patterns corresponding to a different correction amount;

wherein

the carry amount correction pattern has said plurality of patterns for each virtual circumference segment obtained by virtually dividing a circumference of a carry roller for carrying a print sheet into a plurality of segments in a direction in which the carry roller is rotated.

13. (currently amended): A storage medium having a program recorded thereon, comprising:

~~a memory~~the storage medium for storing the program;

wherein said program ~~is capable of making~~ makes a printing apparatus that has a carry roller for carrying a print sheet:

print a plurality of patterns for each of a plurality of virtual circumference segments, each of said patterns corresponding to a different correction amount, and each of said virtual circumference segments being obtained by virtually dividing a circumference of said carry roller into a plurality of segments in a direction in which the carry roller is rotated, and

for each virtual circumferential segment, set a correction amount corresponding to one of the patterns ~~to each said virtual circumference segment~~.

14. (currently amended): A computer system comprising:

a computer main unit; and

a printing apparatus that has a carry roller for carrying a print sheet and that is capable of being connected to said computer main unit;

wherein

said carry roller has virtual circumference segments that are obtained by virtually dividing a circumference of the carry roller into a plurality of segments in a direction in which the carry roller is rotated, and

said printing apparatus ~~is capable of printing~~prints a plurality of patterns for each of said virtual circumference segments, each of said patterns corresponding to a different correction amount, and for each virtual circumference segment, sets ~~setting~~ a correction amount corresponding to one of the patterns ~~to each said virtual circumference segment~~.

15. (currently amended): A printing method comprising:

printing a plurality of patterns for each of a plurality of virtual circumference segments, each of said patterns corresponding to a different correction amount, and each of said virtual circumference segments being obtained by virtually dividing a circumference of a carry roller into a plurality of segments in a direction in which the carry roller is rotated, and

for each virtual circumference segment, setting a correction amount corresponding to one of the patterns ~~to each said virtual circumference segment~~.